

OIPE

RAW SEQUENCE LISTING

DATE: 05/03/2001

PATENT APPLICATION: US/09/835,995

TIME: 18:04:17

Input Set : A:\00146reg.US.ST25.txt

Output Set : N:\CRF3\05032001\I835995.raw

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3 <110> APPLICANT: Soderberg, Charlotte
4 Lind, Peter
6 <120> TITLE OF INVENTION: Novel G Protein Coupled Receptors
8 <130> FILE REFERENCE: 00146reg.US
C--> 10 <140> CURRENT APPLICATION NUMBER: US/09/835,995
C--> 10 <141> CURRENT FILING DATE: 2001-04-17
10 <150> PRIOR APPLICATION NUMBER: 60/198,090
11 <151> PRIOR FILING DATE: 2000-04-17
13 <160> NUMBER OF SEQ ID NOS: 9
15 <170> SOFTWARE: PatentIn version 3.0
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18 <211> LENGTH: 2553
19 <212> TYPE: DNA
20 <213> ORGANISM: Homo sapiens
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27 ggaggcggag ggcgcgtcgc tgcagcctca ggcgcgcggg tgcggggctc cgtgcagttg 180
29 gcgctgagcg tccctgcacgc cctgctctac gccgcgctgt tcgcctttgc ctacctgcag 240
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37 tactgcttcc cctcctgtct ccagttctcc acgctctgtc tctcaacct ctacctggcg 480
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43 gttcatggag atgtcccaga aaatcagttg aagtggactg tgtttgttcg agcattaatt 660
45 aatgatagcc tgtttattct ttgtgccatc tctttagttg gttacatatg caaaattaca 720
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49 gtcgtgggct ctgtagtcat tcttctgtac tcttccagag cttgttataa tttgggtggtg 840
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53 gataaggctc atgtagaaga cataagtgga gaagagtata tagtatttgg aatggtcctc 960
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57 aaccagaatt tggcacctgc tggcatgata aatagtcaca gttatagttc cagagcttac 1080
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73 aaaatgaagt aaaatggaaa gtttggagta ggagaaaaga gagattagat cttaaggcac 1560
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83 ataaaaatgt atcattcttt ataaaaatct actgaaaatg tgtaatcatt gaagacagtt 1860
85 cttttaagca tgattttaaa atagcaactg aaattcaatc attttaaaca aatgatggta 1920

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87 gtaatccatt agttatggcc agcagtgttc tttggagagc cacaataatt tcaagaggaa 1980
89 aatataccag tgaaaattgt gtggctatct tgagtagaat tggtcagttg attatcttgt 2040
91 gtaattgaga tatatgtagt agtttaagca tgattcttga agaaagcaat agtgactttt 2100
93 gcatagggag attttggttag aaacttcttg ggactaaaca agtttagaga tgcatttaag 2160
95 aattattcac aaaatgtgtc attctaaatt aaaacataaa tatattttca aaagcatttg 2220
97 atttctctga agcatgatat agctgtgtct acctagttaa tcaggattgt cctcaggtaa 2280
99 atgaaatcat gatacattat tgcagtgaac tcaagtcaa tactttgttaa gacatataat 2340
101 tcctatgatt ttcacatttt tatatcttat atatgggaaa agccaaatta aattgaattc 2400
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121 20 25 30
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124 35 40 45
126 Leu Ser Val Leu His Ala Leu Leu Tyr Ala Ala Leu Phe Ala Phe Ala
127 50 55 60
129 Tyr Leu Gln Leu Trp Arg Leu Leu Leu Tyr Arg Glu Arg Arg Leu Ser
130 65 70 75 80
132 Tyr Gln Ser Leu Cys Leu Phe Leu Cys Leu Leu Trp Ala Ala Leu Arg
133 85 90 95
135 Thr Thr Leu Phe Ser Ala Ala Phe Ser Leu Ser Gly Ser Leu Pro Leu
136 100 105 110
138 Leu Arg Pro Pro Ala His Leu His Phe Phe Pro His Trp Leu Leu Tyr
139 115 120 125
141 Cys Phe Pro Ser Cys Leu Gln Phe Ser Thr Leu Cys Leu Leu Asn Leu
142 130 135 140
144 Tyr Leu Ala Glu Val Ile Cys Lys Val Arg Cys Ala Thr Glu Leu Asp
145 145 150 155 160
147 Arg His Lys Ile Leu Leu His Leu Gly Phe Ile Met Ala Ser Leu Leu
148 165 170 175
150 Phe Leu Val Val Asn Leu Thr Cys Ala Met Leu Val His Gly Asp Val
151 180 185 190
153 Pro Glu Asn Gln Leu Lys Trp Thr Val Phe Val Arg Ala Leu Ile Asn
154 195 200 205
156 Asp Ser Leu Phe Ile Leu Cys Ala Ile Ser Leu Val Cys Tyr Ile Cys
157 210 215 220
159 Lys Ile Thr Lys Met Ser Ser Ala Asn Val Tyr Leu Glu Ser Lys Gly
160 225 230 235 240
162 Met Ser Leu Cys Gln Thr Val Val Val Gly Ser Val Val Ile Leu Leu
163 245 250 255
165 Tyr Ser Ser Arg Ala Cys Tyr Asn Leu Val Val Val Thr Ile Ser Gln

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166          260          265          270
168 Asp Thr Leu Glu Ser Pro Phe Asn Tyr Gly Trp Asp Asn Leu Ser Asp
169          275          280          285
171 Lys Ala His Val Glu Asp Ile Ser Gly Glu Glu Tyr Ile Val Phe Gly
172          290          295          300
174 Met Val Leu Phe Leu Trp Glu His Val Pro Ala Trp Ser Val Val Leu
175 305          310          315          320
177 Phe Phe Arg Ala Gln Arg Leu Asn Gln Asn Leu Ala Pro Ala Gly Met
178          325          330          335
180 Ile Asn Ser His Ser Tyr Ser Ser Arg Ala Tyr Phe Phe Asp Asn Pro
181          340          345          350
183 Arg Arg Tyr Asp Ser Asp Asp Asp Leu Pro Arg Leu Gly Ser Ser Arg
184          355          360          365
186 Glu Gly Ser Leu Pro Asn Ser Gln Ser Leu Gly Trp Tyr Gly Thr Met
187          370          375          380
189 Thr Gly Cys Gly Ser Ser Ser Tyr Thr Val Thr Pro His Leu Asn Gly
190 385          390          395          400
192 Pro Met Thr Asp Thr Ala Pro Leu Leu Phe Thr Cys Ser Asn Leu Asp
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201 <213> ORGANISM: Artificial Sequence
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205 <223> OTHER INFORMATION: Primer
208 <400> SEQUENCE: 3
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212 <210> SEQ ID NO: 4
213 <211> LENGTH: 25
214 <212> TYPE: DNA
215 <213> ORGANISM: Artificial Sequence
217 <220> FEATURE:
218 <221> NAME/KEY: misc_feature
219 <223> OTHER INFORMATION: Primer
222 <400> SEQUENCE: 4
223 agacaggagg ggaagcagta gagca
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228 <212> TYPE: DNA
229 <213> ORGANISM: Artificial Sequence
231 <220> FEATURE:
232 <221> NAME/KEY: misc_feature
233 <223> OTHER INFORMATION: Primer
236 <400> SEQUENCE: 5
237 agtgggggaa gaagtgcagg tgagc
240 <210> SEQ ID NO: 6

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241 <211> LENGTH: 25
242 <212> TYPE: DNA
243 <213> ORGANISM: Artificial Sequence
245 <220> FEATURE:
246 <221> NAME/KEY: misc_feature
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271 <213> ORGANISM: Artificial Sequence
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274 <221> NAME/KEY: misc_feature
275 <223> OTHER INFORMATION: Primer
278 <400> SEQUENCE: 8
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287 <220> FEATURE:
288 <221> NAME/KEY: misc_feature
289 <223> OTHER INFORMATION: Substrate peptide
292 <400> SEQUENCE: 9
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VERIFICATION SUMMARY

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L:10 M:270 C: Current Application Number differs, Replaced Current Application No
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date